



# Snowmass: Seattle Energy Frontier Workshop

## Sunday, 30 June 2013

### Higgs: Couplings - PAC 520 (14:00 - 16:00)

-Conveners: Andrei Gritsan; Rick Van Kooten

time	[id] title	presenter
14:00	[33] ttH (remote)	GUINDON, Stefan
14:15	[32] ttH in non-H->bb channels	Dr ONYISI, Peter
14:30	[31] Higgs total width with interferometry (remote)	LI, Ye
14:50	[30] What do we learn from the measurement of double Higgs production	Mr KUMAR, Kunal
15:10	[56] Physics potential of a linear collider in Higgs physics	MOORTGAT-PICK, Gudrid
15:30	[34] ILC h -> gamma gamma	Mr CALANCHA-PAREDES, Constantino
15:45	[35] Study of Higgs boson decays to tau pairs at the ILC and ILD	KAWADA, Shin-ichi

### Higgs: BSM Higgs - PAC 520 (16:30 - 18:10)

-Conveners: Jianming Qian

time	[id] title	presenter
16:30	[36] 300 and 3000 fb-1 projections for 2-Higgs doublet model at the LHC	Mr CHEN, Chien-Yi
16:50	[37] Closing the wedge with 300 and 3000 fb-1 at the LHC	LEWIS, Ian
17:10	[38] Constraint on new particle masses and couplings from Higgs measurement	Dr GORI, Stefania
17:30	[39] Constraints on Higgs properties and SUSY partners in the pMSSM	Prof. HEWETT, JoAnne
17:50	[40] Measurement accuracy/sensitivity from different new physics models	Prof. BATTAGLIA, Marco

# Monday, 1 July 2013

## Higgs: Spin and CP - PAC 421 (13:30 - 15:30)

-Conveners: Andrei Gritsan

time	[id] title	presenter
13:30	[41] e+e- summary/updates on Higgs spin and CP (remote)	KRUEGER, Katja
13:50	[46] H -> tau tau CP mixture (remote)	BERGE, Stefan
14:10	[42] Theoretical perspectives on Higgs CP mixture	Dr ZHANG, Yue
14:35	[43] Comparison of LHC and e+e- capabilities in Higgs CP (remote)	WHITBECK, Andrew
14:55	[58] Discussion - progress toward Snowmass report CP section	
15:15	[128] ATLAS sensitivities of H/A->mumu (remote)	POLLARD, Chris

## Tuesday, 2 July 2013

### Higgs: Couplings - ARC 147 (10:15 - 12:40)

-Conveners: Jianming Qian; Rick Van Kooten

time	[id] title	presenter
10:15	[49] ILC	BARKLOW, Tim
10:35	[47] Total width measurement at ILC	SAYRE, Josh
10:50	[51] TLEP	JANOT, Patrick
11:20	[50] Measurement of Higgs couplings and mass in e+e- collisions at CLIC (center-of-mass energies 350 GeV - 3 TeV)	ROLOFF, Phillip
11:40	[52] mu-mu collider	LIU, Zhen
12:00	[48] BSM Higgs searches at muon collider	Prof. HANSON, Gail
12:15	[53] LHeC Higgs capabilities (remote)	MELLADO, Bruce

### Higgs: Couplings & Discussions - PAC 520 (14:00 - 16:10)

-Conveners: Andrei Gritsan; Jianming Qian

time	[id] title	presenter
14:00	[29] Theory uncertainties and Higgs widths/couplings	Dr HEINEMEYER, Sven
14:20	[54] Higgs Coupling Measurements and BSM Sensitivity with ATLAS at the HL-LHC	FENG, Eric
14:40	[55] CMS sensitivities of Higgs couplings	Mr DE GRUTTOLA, michele
15:00	[148] ZH with H->inv	OKAWA, Hideki
15:10	[57] Discussions	